

WASTEWATER TREATMENT PLANT OPERATOR (II) - 2841

GENERAL DEFINITION OF WORK:

Performs intermediate skilled work in the operation and maintenance of a wastewater treatment plant on an assigned shift; does related work as required. Work is performed under regular supervision.

This is medium work requiring the exertion of 50 pounds of force occasionally, up to 20 pounds of force frequently, and up to 10 pounds of force constantly to move objects; work requires stooping, kneeling, crouching, crawling, reaching, standing, walking, lifting, fingering, grasping, feeling, and repetitive motions; vocal communication is required for expressing or exchanging ideas by means of the spoken word, and conveying detailed or important instructions to others accurately, loudly, or quickly; hearing is required to perceive information at normal spoken word levels, and to receive detailed information through oral communications and/or to make fine distinctions in sound; visual acuity is required for depth perception, color perception, night vision, peripheral vision, use of measuring devices, operation of machines, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, hazards, atmospheric conditions, and oils. The worker may be exposed to bloodborne pathogens and may be required to wear specialized personal protective equipment.

ESSENTIAL FUNCTIONS/TYPICAL TASKS:

Operating the wastewater treatment plant; maintaining records; conducting tests.

Makes regular tours of plant and equipment;

Monitors and records readings from meters, gauges and instruments, reviews laboratory analyses and checks functioning of equipment;

Starts up, shuts down, regulates and adjusts motors, pumps, compressors, grinders, blowers, valves and other apparatus to meet changing operating conditions;

Collects water and wastewater samples;

Conducts laboratory tests; adjusts pH and chlorine as needed;

Inspects plant buildings and equipment, notes need for maintenance and repair work;

Assists with training of new employees;

Maintains and repairs plant equipment and performs preventive maintenance tasks;

Prepares and maintains records and reports;

Performs general building and grounds maintenance work;

Performs related tasks as required.

KNOWLEDGE, SKILLS AND ABILITIES:

General knowledge of the operating characteristics and maintenance requirements of a wastewater treatment plant; general knowledge of hydraulic, chemical and mechanical principles pertinent to wastewater treatment plant operations; general knowledge of the occupational hazards of the work and of necessary safety precautions; ability to detect flaws in the operation of mechanical equipment and to determine proper remedial measures; ability to understand and follow oral and written instructions; ability to read meters and charts accurately and to maintain records of shift operations; skill in the use and care of laboratory testing and analysis equipment and instruments; ability to establish and maintain effective working relationships with associates.

EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school and some experience in operating a wastewater treatment plant.

SPECIAL REQUIREMENTS:

Possession of a Grade II certification issued by the State of North Carolina.